

## Agricultural Waste Management

Cherokee County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1C3: Ida-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
1D3: Ida-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
1E3: Ida-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
1G: Ida-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
8B: Judson-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
11B: Colo-----	50	Very limited Depth to saturated zone Leaching limitation	1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Flooding	0.60				
Judson-----	35	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
26: Kennebec-----	100	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
27: Terril-----	100	Not limited		Not limited		Not limited	
27B: Terril-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
27C: Terril-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
28B: Dickman-----	100	Very limited Filtering capacity Leaching limitation	1.00 0.45	Very limited Filtering capacity	1.00	Very limited Filtering capacity Too steep for surface application	1.00 0.08
28D: Dickman-----	100	Very limited Filtering capacity Leaching limitation Slope	1.00 0.45 0.04	Very limited Filtering capacity Slope	1.00 0.04	Very limited Too steep for surface application Filtering capacity Too steep for sprinkler application	1.00 1.00 1.00 0.22

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31: Afton-----	100	Very limited Depth to saturated zone Flooding Leaching limitation Restricted permeability	1.00  0.60 0.50 0.30	Very limited Depth to saturated zone Flooding Restricted permeability	1.00  1.00 0.22	Very limited Depth to saturated zone Flooding Restricted permeability	1.00  0.60 0.22
33D: Steinauer-----	95	Somewhat limited Slope  Restricted permeability	0.63  0.30	Somewhat limited Slope  Restricted permeability	0.63  0.22	Very limited Too steep for surface application Too steep for sprinkler application Restricted permeability	1.00  0.77 0.22
33F: Steinauer-----	100	Very limited Slope  Restricted permeability	1.00  0.30	Very limited Slope  Restricted permeability	1.00  0.22	Very limited Too steep for surface application Too steep for sprinkler application Restricted permeability	1.00  1.00 0.22
33G: Steinauer-----	95	Very limited Slope  Restricted permeability	1.00  0.30	Very limited Slope  Restricted permeability	1.00  0.22	Very limited Too steep for surface application Too steep for sprinkler application Restricted permeability	1.00  1.00 0.22
54: Zook-----	100	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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72B: Estherville-----	100	Depth to saturated zone	1.00	Flooding	1.00	Restricted permeability	1.00
		Flooding	0.60	Restricted permeability	1.00	Flooding	0.60
		Leaching limitation	0.50				
		Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.25	Droughty	0.25	Droughty	0.25
						Too steep for surface application	0.08
72C: Estherville-----	100	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.25	Droughty	0.25	Too steep for surface application	0.91
						Droughty	0.25
						Too steep for sprinkler application	0.02
77B: Sac-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
77B2: Sac-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
77C: Sac-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.91

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.02
77C2: Sac-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
78B: Sac-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited	
						Restricted permeability	0.22
						Too steep for surface application	0.08
78B2: Sac-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited	
						Restricted permeability	0.22
						Too steep for surface application	0.08
78C: Sac-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited	
						Too steep for surface application	0.91
						Restricted permeability	0.22
						Too steep for sprinkler application	0.02
78C2: Sac-----	100	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited	
						Too steep for surface application	0.91
						Restricted permeability	0.22

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.02
91: Primghar-----	95	Not limited		Not limited		Not limited	
91B: Primghar-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.01
92: Marcus-----	100	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00  0.70 0.30	Very limited Depth to saturated zone Restricted permeability	1.00  0.22	Very limited Depth to saturated zone Restricted permeability	1.00  0.22
96: Turlin-----	95	Not limited		Not limited		Not limited	
108: Wadena-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
108B: Wadena-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity Too steep for surface application	1.00 0.08
133: Colo-----	100	Very limited Depth to saturated zone Leaching limitation Flooding	1.00  0.70 0.60	Very limited Depth to saturated zone Flooding	1.00  1.00	Very limited Depth to saturated zone Flooding	1.00  0.60
135: Coland-----	97	Very limited		Very limited		Very limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Leaching	0.70	Flooding	1.00	Flooding	0.60
		limitation					
		Flooding	0.60				
189: Omadi-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
309: Allendorf-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
309B: Allendorf-----	100	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	0.08
310: Galva-----	100	Not limited		Not limited		Not limited	
310B: Galva-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
310B2: Galva-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
310C: Galva-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
310C2: Galva-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
310D2: Galva-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
354: Aquolls-----	100	Very limited Not Rated (miscellaneous unit)	1.00	Very limited Not Rated (miscellaneous unit)	1.00	Very limited Not Rated (miscellaneous unit)	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low adsorption	1.00	Low adsorption	1.00	Low adsorption	1.00
428B: Ely-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone Too steep for surface application	0.43 0.01
433D: Storden-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
433F: Storden-----	100	Very limited		Very limited		Very limited	



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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Slope	1.00	Slope	1.00	Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
433G: Storden-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
485: Spillville-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
485B: Spillville-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.01
505: Sperry-----	100	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Leaching limitation	0.50				
577B2: Everly-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
577C: Everly-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.02
577C2: Everly-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
577D2: Everly-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
585B: Spillville-----	60	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
Coland-----	30	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Leaching limitation	0.70	Flooding	1.00	Flooding	0.60
		Flooding	0.60				
633G: Steinauer-----	55	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
Steinauer Variant---	40	Very limited		Very limited		Very limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
739G: Steinauer-----	65	Slope	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Restricted permeability	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00	Too steep for surface application	1.00
		Runoff limitation	0.40			Too steep for sprinkler application	1.00
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
Hawick-----	35	Very limited Slope	1.00	Very limited		Very limited	
				Filtering capacity	1.00	Filtering capacity	1.00
		Filtering capacity	1.00	Slope	1.00	Too steep for surface application	1.00
		Droughty	0.90	Droughty	0.90	Too steep for sprinkler application	1.00
		Leaching limitation	0.45			Droughty	0.90
740C: Hawick-----	100	Very limited		Very limited		Very limited	
		Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Droughty	0.85	Droughty	0.85	Droughty	0.85
		Leaching limitation	0.45			Too steep for surface application	0.66
						Too steep for sprinkler application	0.01
740E: Hawick-----	100	Very limited		Very limited		Very limited	

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740G: Hawick-----	90	Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Slope	0.96	Slope	0.96	Too steep for surface application	1.00
		Droughty	0.85	Droughty	0.85	Too steep for sprinkler application	0.97
		Leaching limitation	0.45			Droughty	0.85
		Very limited Slope	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Filtering capacity	1.00	Slope	1.00	Too steep for surface application	1.00
		Droughty	0.85	Droughty	0.85	Too steep for sprinkler application	1.00
		Leaching limitation	0.45			Droughty	0.85
810: Galva-----	100	Not limited		Not limited		Not limited	
810B: Galva-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
810C2: Galva-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
878B: Ocheyedan-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application	0.08

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
878C2: Ocheyedan-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Too acid	0.07
						Somewhat limited	
						Too steep for surface application	0.91
						Too acid	0.07
1609: Fluvaquents-----	50	Very limited Depth to saturated zone Flooding Runoff limitation	1.00 0.60 0.40	Very limited Depth to saturated zone Flooding	1.00 1.00	Too steep for sprinkler application	0.02
						Very limited	
						Depth to saturated zone	1.00
Omadi-----	40	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Flooding	0.60
1639G: Storden-----	65	Very limited Slope	1.00	Very limited Slope	1.00	Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
						Very limited	
Hawick-----	35	Very limited Slope Filtering capacity Droughty Leaching limitation	1.00 1.00 0.90 0.45	Very limited Filtering capacity Slope Droughty	1.00 1.00 0.90	Filtering capacity	1.00
						Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
						Droughty	0.90
1658C: Terril-----	50	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.91

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.02
Coland-----	40	Very limited Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding Too steep for surface application	1.00 1.00 0.08
1785: Spillco-----	92	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
5010: Pits-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	